SEPTEMBER, 1934

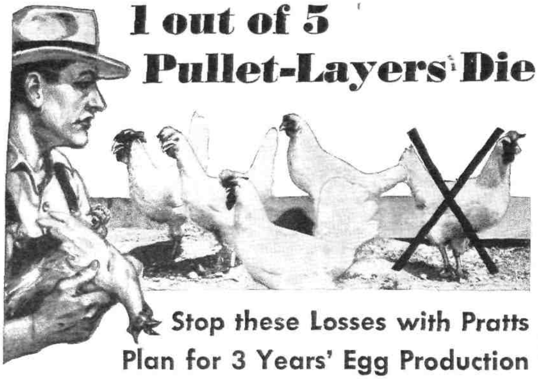
POULTRY TRIBUNE

10c a copy

Central Edition

Make More Money From Poultry Meat—*Jull*

1 out of 5 Pullet-Layers Die



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You need Pratts Buttermilk Laying Mash to build reserve strength . . . to keep pullets growing while they lay . . . to encourage normal glandular function which effects vigor *and to produce a record yield of profitable eggs.* Buttermilk Laying Mash has been created by people who make poultry medicine and breed a contest winning flock.

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WORLD'S LARGEST BUILDERS OF BROODERS

Central Edition

Covering:—
Ohio
Michigan
Indiana
Minnesota
Iowa
Illinois
Wisconsin
Missouri

H. W. Yoder, Contributing Editor

(In order to keep in closest possible touch with our readers Mr. Yoder makes frequent trips through the states named above collecting news items and editorial matter relating to the poultry industry.)

* * *

September Events

Sept. 5-7, Illinois Baby Chick Association Annual Meeting, Pere Marquete Hotel, Peoria, Ill.

Sept. 17-22, Ohio Annual Poultry Judging *School, Ohio State University, Columbus, Ohio.*

* * *

Coming Events

Oct. 1-7, American Poultry Congress, Waterloo, Iowa.

Oct. 5, Fall Meeting Wisconsin Poultry Improvement Assoc., Madison, Wis.

Nov. 28-Dec. 1, Southeastern Iowa Poultry Show, Packwood, Iowa.

Dec. 5-9, Greater Indiana Poultry and Pet Stock Assoc. Show, Indiana State Fair Poultry Bldg., Fort Wayne, Ind.

Dec. 11-14, Poultry Show Whiteside Co. Poul*try Assoc., Coliseum Bldg., Sterling, Ill.* Geo. *C. Beswick, Sec., Morrison.*

Dec 12-16, 44th Annual Poultry and Pigeon Show, La Crosse Poultry Assoc., La Crosse, Wis.

Dec. 12-17, Iowa State Poultry Show, Des Moines, Ia. C. E. Smith, Sec.

Dec. 28-Jan. 1, St. Louis Poultry Show, staged by Miss. Valley Poultry Assoc., St. Louis, Mo.

* * *

Ohio Judging School Scheduled

E. L. Dakan

Columbus, Ohio—Ohio's annual Poultry Judging School will be held at the Ohio State University, here, September 17-22. During the eleven year period which this school has been held at Ohio State University, instruction has been modified in the light of new information, but the essential principles of judging poultry for production remain today much as they were eleven years ago, states E. L. Dakan, head of the department. "Less emphasis is put upon head points and body type," he says, "and more upon physical condition, molt, pigmentation and vitality."

A series of chick sexing schools is also contemplated.

(Continued on page 11)

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POULTRY TRIBUNE Vol. 40, No. 9, September, 1934. Published on the first of each month at Mount Morris, Ill.

J. W. Watt, Publisher; O. A. Hanke, Editor; J. H. Florea, Associate Editor; G. G. Sanderson, Advertising Mgr.; H. W. Yoder, Adv. Asst.; Chas. Webster, Circulation Mgr.; A. P. Loomis, Supt. Poultry Tribune Experimental Farm; Mrs. E. J. Tilton, Home Dept.

Advertising Representatives: Chicago: J. C. Billingslea, Inc., 123 W. Madison St. Phone Central 0465.

Eastern: Hugh Thompson, 138 Watson Rd., Fanwood, N. J. Phone, Fanwood 2-7745.

Pacific: Adon A. Yoder, 608—16th St., Oakland, Calif.

Subscription Rates in U. S. A.

One year	$ .25	Single copies	.10
Five Years	1.00	Back copies	.20

Canada and Foreign: $1.00 a year.

Make all remittances payable to Poultry Tribune, Mount Morris, Ill. If you change your address, notify us direct, and give both your old and new address. Always state whether your subscription is a new one or a renewal; and renew by the same name and initials as address on paper or else explain why you change.

Entered at the post office at Mount Morris, Illinois, as second-class matter under Act of March 3, 1879.

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EGG-A-TORIALS

By O. A. HANKE
Editor

A Billion Dozen Short!

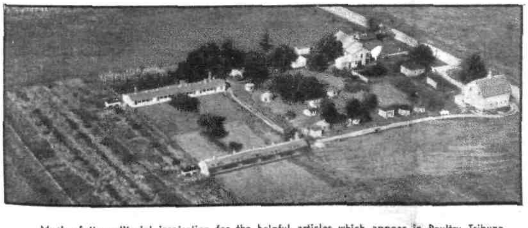
LAST *month a city housewife was in the market for eggs.* She was trying to buy some good eggs in a rather large summer resort town in northern Wisconsin. Asking for graded eggs, the clerk informed her that he had only fresh farm eggs. She didn't say whether or not she had had any experience in buying presumably fresh eggs from the farm, but she did explain that only graded eggs would do to fill her order *for three dozen. To meet her cooking needs, she purchased a half dozen.*

Last week Robert R. Doane, in the employ of the Government on PWA funds, announced that in order to meet the ideal diet requirements, as outlined by the United States Department of Agriculture, which call for an egg a day for each person, this country would need *to produce* an additional 1,144,000,000 dozen. The average consumption for each person is now *241.2* eggs a year in this country compared with *360* eggs for each person in Canada. An ideal diet requires at least one egg each day.

JUST a few days ago the American Poultry Association held its annual convention in Chicago. It passed a resolution asking for the appointment of a committee which shall endeavor to secure an appropriation from Congress for the use of the Agricultural Adjustment Administration in increasing the consumption of poultry products.

It is both refreshing and encouraging to have pointed out that this country should consume more than a billion dozen additional eggs. It is to the credit of the American Poultry Association that it should exhibit leadership in attempting to develop a national movement for increased egg consumption. Such a movement, however, in so far as federal money is involved, will encounter many obstacles, for the Secretary of Agriculture holds rather firmly to the opinion that an advertising campaign for foodstuffs is unwise, inasmuch as the capacity of the human stomach is limited and, therefore, all that can be accomplished is a displacement of one commodity in favor of another.

Rather, let poultry raisers agitate for uniform federal grades of eggs. Give the consumer a product which will win her confidence, and watch egg consumption in this country approach that of our Canadian friends who have a federal egg grading system which assures the consumer a truly desirable product. Federal grades first; then plenty of publicity,—*and watch eggs take care of themselves on the tables of our 120,000,000 people.*



Much of the editorial inspiration for the helpful articles which appear in Poultry Tribune each month is obtained from Poultry Tribune Experimental Farm, owned and operated by Poultry Tribune and located one mile from the editorial office here in Mount Morris. At this farm, Poultry Tribune editors also have an opportunity to become familiar with much that is new in poultry equipment, feed, remedies, and supplies.

Poultry Tribune, published monthly in the interest of 400,000 progressive poultry raisers, contains *many* advertisements which feature these new products of manufacturers. You are invited to patronize these reliable firms which offer feed, remedies, equipment and stock.

INTERNATIONAL TRUCKS are ALL TRUCK

In every inch of Design . . . In every ounce of Construction

TRUCK quality must be of a different stamp than PASSENGER-CAR quality. Truck users want rugged stamina, for rigorous service! That is why you have lately seen in the truck advertising of some manufacturers so much talk of "all truck." They are aiming to satisfy the demand. But they are only now claiming what International Trucks have *delivered* for many years—EXTRA capacity for taking punishment and giving value. For more than twenty years the International Truck builders have built *only trucks*. No automobiles—no tempting opportunity to compromise. The new streamlined Internationals, with all their beauty of line, give you International ALL-TRUCK QUALITY. Sizes from ½-ton up, chassis f.o.b. prices from $390 up, at all International branches and dealers. Complete information will be supplied on request.

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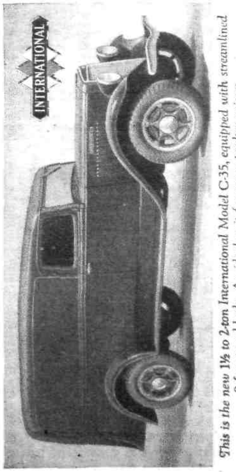


This is the new 1½ to 2-ton International Model C-35, equipped with streamlined 9-foot panel body. An ideal unit for many poultry raisers.

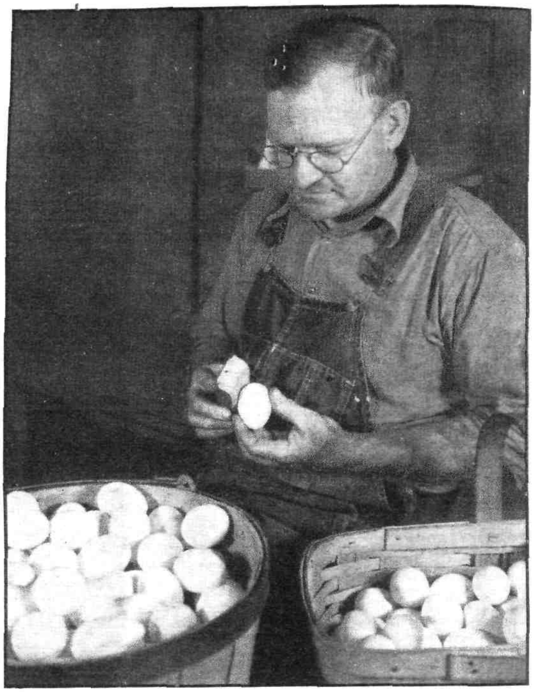
by FRANK E. MITCHELL
University of Georgia

TWO theories have been advanced on the function of grit in the gizzard . . . that grit helps to grind the feed, and that the presence of grit in the gizzard helps to keep the food particles separated and in that way aids in the process of digestion.

The feeding of grit to poultry is a general practice which has been accepted without much argument. Practically all of our poultrymen feed grit or arrange for grit to be available for their birds.

The available experimental work on feeding grit to poultry is not conclusive. *There is data that would indicate that grit should be fed, yet, on the other* hand, experiments have been conducted showing favorable results with gritless rations. A review of these experiments shows that the first work done on the *utilization of grit in poultry feeding* was probably done by Abbe L. Spallanzani, who reported in 1784 on the value of grit in the gizzard. Prior to Spallanzani's report, Dr. M. Reaumur, a Frenchman, demonstrated the grinding power of the gizzard.

THE first experimental work on grit feeding in the United States, as far as I can learn, was by W. P. Wheeler at the Geneva, New York Experiment Station. In 1903 he reported that grit was an aid in the digestion of feed and promoted the health of the birds. Dr. E. Mangold, in 1906, and later Dr. Mangold with Feldin reported that the efficiency of feed was increased by the use of grit. Dr. Klee in the same year stated that the birds remained in better health when provided with grit.



Most poultrymen are willing to feed anything which will make egg production profitable.

Should Poultry Have Grit?

Dr. Morley A. Jull, in 1915, reported that chicks could be raised to maturity without grit, however, he concluded that grit aided the gizzard in grinding and that the feeding of grit was practical.

Kaupp and Ivey of North Carolina, in 1923, showed that hens once fed grit could be confined and fed a ration without grit for 365 days and that at the end of a year of gritless feeding there was grit present in the gizzard.

EXPERIMENTS by Buckner, Martin and Peter, of Kentucky, as late as 1926, concluded that grit was not essential in the feeding of poultry. They also suggested the possibility of feeding too much grit to the bird.

Bethke and Kennard of Ohio, in 1926, concluded that grit was of no value in poultry feeding. They admitted the possibility of the value of grit as a source of essential minerals if the ration proved to be deficient in minerals. However, in their experimental work they used a granite grit, which is considered as an insoluble grit.

Others to report on the use of grit were H. Jaeckel, in 1924, and the Japanese worker, T. Katayama. There were evidently other workers on the utilization of grit in poultry feeding.

THE fact remains that experiments have been conducted which show that birds can grow and thrive on a gritless ration. The feeding of grit is practiced by most of the experimental stations and agricultural colleges. The *leaders of thought in the industry have accepted the fact that it is a good policy to feed grit.* It seems to be the natural thing to do, for with the development of the commerical poultry industry we have changed the life of the domesticated bird. No longer can she roam for seeds and insects. These are substituted for by the feeding of mashes and grains. Mash is a balanced feed with the minerals and vitamins included. However, in close confinement we have deprived our hens of a chance to gather gravel, grit, or glass.

The most common practice of feeding grit to chickens is to place it in an open hopper. The grit hopper need not be large as we find that the grit requirement isn't great. Records on five thousand hens in the Georgia National Egg Laying Contest show that the average grit consumption per laying hen is seven *tenths of one pound per year.* A box four inches wide, four inches deep and two feet long will hold sufficient grit for a flock of one hundred laying hens.

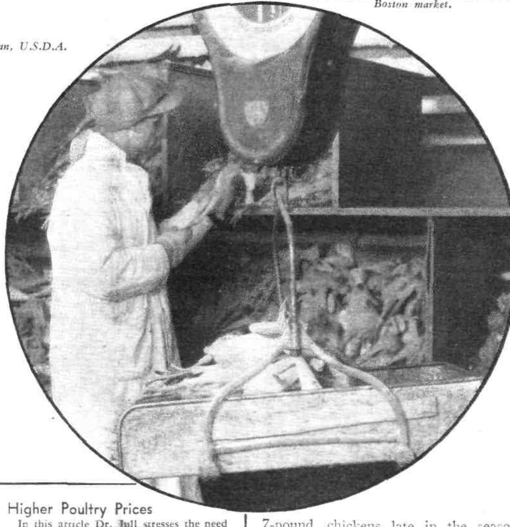
WE LIKE to place the grit and oyster shell hoppers near the mash hopper. The hoppers should be observed at regular intervals to see that they are clean and full. *Granite grit is generally recommended because of its insolubility and hardness.* It is considered to be twice as hard as marble grit.

There is no information available to show the optimum amount of grit needed by birds. Therefore the practice of mixing grit in the mash or sprinkling it on top of the feed is questionable.

(Continued on page 9)

How to Make More Money from Poultry Meat

Poultry meat brought an estimated income of $158,110,000 to farmers in 1932. This photo shows a man grading chickens in the packing plant of W. T. Dearmin and Company, Odon, Ind. The chickens are sold on the fancy Boston market.



by **M. A. JULL**, *Senior Poultry Husbandman, U.S.D.A.*

MANY farmers and commercial poultrymen are so impressed with their weekly or monthly egg receipts that they overlook the relative importance of their chickens as a source of income from poultry meat.

The turkey grower, of course, obtains practically all of his poultry revenue from meat; so it is natural for him to try to produce the kind of stock that will profit him most. Even in this case, however, there are certain improvements that can be made which will yield greater profits.

Farmers and commercial poultrymen who rely upon their flocks of chickens as the main source of poultry income can do much to increase their returns from poultry meat by using better feeding and management methods, by adopting a more profitable method of marketing, and in many cases by doing their own killing and plucking. The course to be followed in feeding, and method of marketing, depends largely upon whether one sells direct to the consumer or to the packing house.

In all cases, the management of the market stock should be such as to promote the most economical gains. In this respect, two of the most important things to be kept in mind are to avoid overcrowding, and to keep the stock as free as possible of disease and internal parasites. Overcrowding of the growing chicks retards growth; disease commonly results in death or puny chickens, many of which are unfit for food; internal parasites often give rise to scrawny chickens which do not finish well in the fattening batteries. Packing house operators receive at their packing plants every fall thousands of skinny and diseased birds which are either rejected as unfit for food or are classed as culls. Rigid culling of the flock during the growing season and proper sanitation to keep disease and parasites down to the minimum would enrich farmers by hundreds of thousands of dollars annually.

THOSE who sell direct to the consumer probably have the greatest opportunity for increasing their returns from poultry meat. For instance, instead of waiting till the late fall or early winter to sell the cockerels and other surplus stock, as most farmers do, much greater profit can be made by disposing of the surplus stock regularly throughout the summer and early fall. In the late fall and early winter the markets are usually glutted and prices are relatively low.

Separate the cockerels from the pullets at from about 8 to 10 weeks of age, put the cockerels on a diet that is inclined to be fattening and then each week select the best for delivery to your customers. With Rhode Island Reds and Barred Rocks and similar breeds you are likely to make more profit on birds weighing 2½ to 4 pounds early in the season than you will on 6- to 7-pound chickens late in the season. This same method might well be applied to selling the old stock; cull the laying flock every week or so during the summer season and pick out the fat hens that have stopped laying and deliver them to your customers. By adopting this regular method of selling direct to consumers, some farmers have been able to make more money out of their poultry meat than out of their eggs. You will make still more money if you kill and dress your own birds. One of the most important things to be kept in mind, however, is to have well-finished birds that are uniform in size.

Higher Poultry Prices

In this article Dr. Jull stresses the need for more direct marketing. How this suggestion works out in practice is related in the experiences of two farm poultry raisers whose stories follow:

"About the middle of July last year I had 122 large broilers which I wanted to sell before the summer was gone. I wrote to some of the summer resort lodges nearby and also placed a sign on the highway. By August 8 I had sold my last broiler, and could have sold a great many more. One must advertise and look for a market, for one can't sit and wait for the public to find them." —Mrs. Geo. Pyette, Beaver Bay, Minn.

"I have done fine in the chicken business during the last two years that I have been in it, because I market all my eggs and chickens through a sign out in front on the highway which carries the wording in big letters: 'Fresh Eggs and Dressed Chickens While You Wait.'" —M . Mary Tary, Salem, O.

For additional direct marketing plans read the book, *100 Proven Direct Selling Plans for Eggs and Poultry*, which is published by Poultry Tribune, and which is the only published book devoted exclusively to this subject.—*Editor.*

WHERE one sells cockerels and other surplus stock to the packing houses, as is the case with the majority of farmers in the Middle West, every effort should be made to have well-grown birds that are free from parasites and disease. Most of the chickens sold to poultry dealers follow one of two courses: they are either sent to the packing house where they are fattened, killed, and dressed, or they are collected at one or more shipping points, placed in live-poultry cars each holding approximately 4,500 chickens, and shipped to New York and other eastern markets. It is doubtful if farmers should fatten their chickens that are sent to the packing houses to be slaughtered, and cer-

(Continued on page 9)

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Saves Money

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Some day you are going to have running water in your home. Do you know how much it is going to cost you? Most people think it costs more than it does.

This valuable FREE Book tells you everything about installing running water. Eighteen pages of diagrams—full explanation of running water from cisterns—shallow wells—deep wells—rivers—ponds—lakes—springs.

An *invaluable* book that will be sent you free. A book that you *should read* before you do anything about installing any water system—it may save you a costly mistake. Without cost or obligation it is yours—absolutely free. Fill out and mail the coupon *now* while you think of it.

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At lowest price ever quoted for a

QUALITY WATER SYSTEM

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Have you electricity? ☐ Yes ☐ No

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$128.54 in a Week Selling Stark Trees

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YOU CAN DO AS WELL. J. T. Fulk, Indiana realtor, sells Stark Trees in SPARE TIME. He earned $128.54 in a week. Pleasant, healthful outdoor work. No cash or experience needed. Mail Coupon for FREE Selling Outfit and LIBERAL SALESMAN PLAN—CASH PAY WEEKLY—CASH BONUSES—valuable Prizes Weekly.

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Box S. W. 3290, Louisiana, Mo.
Send me your New Plan for Salesmen.

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St. or R. F. D. ....State..........

Colonial FALL and WINTER Chix

All leading straight breeds; also sex guaranteed chicks. World's largest chick producers. Send NOW for big FREE catalog of REAL BARGAINS.
COLONIAL POULTRY FARMS, Box409, PLEASANT HILL, MO., or BOX 409, FLORENCE, COLO.

Timely Tips!

by A. P. LOOMIS

Sup't. Poultry Tribune Experimental Farm

INASMUCH as it usually takes a few weeks after any changes for pullets to come into really good production, housing in September is, in most cases, necessary for good fall production. Pullets running at random until late seldom do their best. Those situated in such *a way that some of the farm waste needs to* be consumed by the poultry can let the older birds attend to this, or house pullets long enough to break them from roosting in trees, then let them run out afternoons when weather will permit.

* * *

WITH a scarcity of grain, it behooves every one to cull more carefully than ever, leaving more feed and room for the better birds of the flock.

* * *

MANY ENTERPRISING housewives will can some hens and pullets which are inferior from an egg production or profit standpoint. *This will provide more chicken through the* winter, and, after all, we poultry people don't eat enough of our own products. But we are not alone. I know of a nearby cream station, which last season paid a small percentage of all cream checks in good creamery butter, hop*ing to increase home consumption of butter* where butter substitutes were being used. It is reported that some dairymen exchanged this butter at grocery stores for butter substitutes, getting credit for the few cents per pound difference, and *then they cuss every one, from* the government down, for low priced butterfat.

(PT Experimental Farm Photo)

Unless eggs are gathered frequently in aerated egg pails and stored in a cool place the quality is likely to be poor—even in September.

* * *

BY THE WAY, the next chicken you singe, try using brown paper and it will not be smoked." If you wish to boil cracked eggs, pour boiling water on them instead of putting the eggs in water to boil.

* * *

WHEN THE PULLETS are housed ample mash hoppers should be supplied, as well as plenty of drinking fountains. To pullets which have been running at large, it is a radical change to be suddenly confined. A frequent result of this sudden confinement is cannibalism.

Consequently, the pullets should have plenty of room, plenty of ventilation, and a little green feed once a day. Darkened nests some*times help. Then there are several* devices now on the market which may help. One is an aluminum shield that pins through the tail. Another is a mask resembling a pair of goggles which obstructs the straight ahead vision of the birds. Cutting the upper mandible of the beak back a little is another method of checking cannibalism. Usually by the time the beak grows out again they have forgotten the habit, but sometimes they have *no trouble in learning it all over again.*

* * *

IT IS a poor practice to force pullets with the use of lights, or wet mash early in the fall as they are much more likely to take a slump when winter sets in than they are if these things are held in reserve for later on.

(PT Experimental Farm Photo)

Poultry house roofs must be water-tight. Old roofs in fairly good condition may be made to last a few years longer by a covering of asphalt roof coating.

* * *

THIS WILL BE *about the last month* that one can be reasonably sure of having the right kind of weather to make roof repairs. The roof on our long Washington type house and the roofs on various smaller buildings *have been given a good coat of asphalt, and* a plastic patching material has been used to *repair joints around ventilators, chimneys and* similar joints in the roof.

* * *

PEOPLE HAVE become so used to thinking of turkeys as a Thanksgiving bird that they may be inclined to overlook the opportunity of marketing them earlier. During late July and August, several dozens of turkeys from Poultry Tribune Experimental Farm were sold as broilers, weighing four to six pounds. They are a delicacy, of course, but the buyer reports an enthusiastic demand for them by *the eating public.*

* * *

OCCASIONALLY it becomes necessary for us to revise our ideas about some familiar practice. For years, the explanation of the *increased production secured by using lights* on chickens was that the birds ate more, and, as a result, laid more eggs.

Now, tests at Ohio State University, Alberta University, and in other locations show that this is not the case. *The fact that the*

200 Approved Products!

A new leaflet just released lists more than 200 products such as brooder stoves, brooder houses, mash hoppers, fire guns, fencing material, laying house equipment, etc., which have been approved after test at Poultry Tribune Experimental Farm. This leaflet is available to Poultry Tribune subscribers for three cents in stamps. Address: Poultry Tribune, Service Department, Mount Morris, Illinois.

birds are kept awake and active causes them to lay more eggs, and, as a result, they eat more feed. Birds given a longer period of lights, but the same amount of feed as birds with a shorter day, laid more eggs, indicating that the light alone caused higher production.

This doesn't alter the benefits of lighting, but does serve to show how we sometimes confuse our causes and effects.

* * *

SINCE MOST pullets will be brought into the laying house during the next month, it is

(PT Experimental Farm Photo)

Each year the demand for turkey broilers increases. Railroad diners, hotels and restaurants like to feature this delicacy. The birds are killed when they weigh 4 to 6 pounds.

the time for the second general worming which pullets should have. The freer of internal parasites the birds are when they are brought into the house, the more likely they are to start and maintain good production during the fall and winter.

* * *

QUITE FREQUENTLY pullet flocks come into production and lay at a very high rate. In such cases it has been a common practice to attempt to slow the birds down.

This is a mistake according to M. Wayne Miller, poultryman at the Western Washington Experiment Station, because the per cent production of a pullet flock largely depends on the number of birds in production. Attempts to lessen the rate of lay, if apparently successful, only throws certain birds out of lay. If birds seem to be losing weight more scratch grain may be fed.

* * *

A WORD OF CAUTION about feeding immature or green kafir, milo or feterita to poultry is offered by Oklahoma A. & M. College poultrymen to those who have not had experience with such feeds.

The green grains cause a severe diarrhea and bowel trouble which is difficult to control and which causes considerable death loss each fall. The turkey loss is perhaps greater in proportion than the chicken loss.

It is important to have on hand some dry, last-season grain for the chickens and turkeys during the ripening season for the grain sorghums, and it is also important to have the chickens and turkeys in the habit of getting their grain in the feeding place rather than to forage for it in the fields at this particular season.

MRS. BLAKE GETS THE EGGS

Pullet Size—birds 1-3 lbs.
50 cap $0.50
100 cap 1.00
500 cap 4.50
1000 cap 8.50
Adult Size—
50 cap .75
100 cap 1.35
500 cap 5.50
1000—10.00

WORM YOUR FLOCK—1¢ Per BIRD OR LESS

AN INSOLUBLE coating is SURE to carry worm medicine through crop and stomach. Makes worming safer on the birds, far more effective. On June 27, 1934, the U. S. Circuit Court of Appeals held the Lee Patent covering insoluble coating breakable in the gizzard, to be good and valid. This Decision establishes the fact that no other manufacturer may lawfully *use an insoluble coating breakable in the gizzard*, for poultry worm tablets or capsules. Worm with the patented insoluble Gizzard Capsule. At Lee dealers, or postpaid.

GEO. H. LEE CO., 179 Lee Bldg., Omaha, Nebr.

More Eggs During High Prices

Thousands of statements like this from farmers all over the country tell the results of the *extra vigor and vitality daily feeding of Nopco XX* brings to their flocks. Extra vigor and vitality enable your hens to moult and feather out more quickly. Every day you shorten the moulting season, you have more eggs to sell.

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HOW 3,000,000 HENS WORKED IT OUT

WRITE FOR YOUR FREE COPY OF "HOW 3,000,000 HENS WORKED IT OUT" IN INCREASED PROFITS AT THE RATE OF $12 PER 100 BIRDS

To get genuine Nopco XX Vitamin Concentrate ask for it by name. The Nopco XX Red-Top Guarantee Tag or the Nopco XX Shield on feed sacks identify genuine Nopco XX properly mixed.

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I'll Show You How to MAKE *Real* Money *with* POULTRY

be your own **BOSS**

Be a *Successful* **POULTRYMAN**

THERE'S *real* money in Poultry raising when you know how to prevent losses, increase egg production, keep your flock free of disease and scores of other vitally important things—all covered in my Course. Many of my students are now making from $30 to $75 a week. . . . with flocks of their own or as Managers of large Poultry plants. Write for my FREE Book, "How to Raise Poultry for Profit," *today*. Address:

HARRY M. LAMON

former Senior Poultryman, U. S. Dept. of Agriculture, famous as a Breeder Judge and International Authority on Poultry. His wealth of knowledge—his proven, profit-producing methods, plus his *personal instruction* and *friendly* help can be yours. Write today.

Harry M. Lamon, *President*
National Poultry Institute
Dept. 213-H, Washington, D. C.

NEW WICKLESS LANTERN

TRIPLES WINTER EGG YIELD

300 CANDLE POWER *of brilliant*, white light turns night into day. Every poultryman knows longer working days for hens means more eggs. Here's a wonder invention—a handy, portable, absolutely safe lantern—just right to light the henhouse. All the advantages of electricity at 1/10 the cost. Burns 96% air and only 4% fuel. Instant-lighting, simple, easy to operate. No danger. The most practical henhouse light ever invented.

HOME TRIAL—30 days at our expense. Will *pay for itself in short time*. Write today for special introductory offer and how to get yours FREE.

The Akron Lamp & Mfg. Co.
309 Lamp Bldg., Akron, Ohio

Poultry Health

By DR. J. E. SALSBURY
Veterinarian and Specialist in Poultry Diseases

SEPTEMBER Most authorities agree that worm infestation is either the direct or a serious contributing cause of most poultry diseases. For that reason, every poultry raiser should make immediate plans for worming.

How Worms Wreck the Health of Poultry

Unfortunately, most birds are infested with worms. Thousands of one or more kinds of worms may become attached to or hidden in the linings of the intestines of one bird. There, the worms create severe irritation and inflammation of the intestines. This causes the intestines to swell and prevents them from functioning as they should. The feed which the bird needs for building up its weight is wasted because it is not digested properly. In addition, worms give off poisons.

Such a condition naturally results in a lowered vitality. Colds, roup, bronchitis, fowl cholera, typhoid, etc., take hold and cause serious losses. And the poultry raiser finds that he or she has gone through another poultry season in vain. Expected profits do not materialize.

Immediate Worming Necessary

And with Dr. Salsbury's line of caps, you have at your command a complete selection of the proper individual caps for the various kinds of worms. Authorities agree that Nicotine is the most effective drug for the elimination of round worms and that Kamala is most effective in removing tape worms. Dr. Salsbury's line of caps provides these ingredients in the correct amounts. They are also properly coated to protect their freshness. They are easy on the bird, easy to use and very economical.

Your local Dr. Salsbury's dealer has the complete line of Dr. Salsbury's Caps on hand, and will be glad to advise you concerning the caps to use. He is well qualified to help you and we recommend that you find out who your local Dr. Salsbury dealer is and go see him. If you prefer the flock treatment, ask your dealer for Dr. Salsbury's Avi-Tabs or Avi-Tone.

Ask for the above preparations by name at your local chick hatchery, feed, drug, poultry supply or general store. Prices: Avi-Tabs, 200 for $1.75; Avi-Tone, 5 lbs., $1.75; Phen-O-Sal Tablets, 125 for $1.00; Mixed Bacterin, 60 dose bottle, $1.50; Dr. Salsbury's line of Worm Caps: Chick Size, prices range from 100 for 60c to 100 for 90c; Adult size, prices range from 100 for 90c to 100 for $1.85; larger quantities at lower prices. Dr. Salsbury's Laboratories, Charles City, Iowa.

NEW LOW PRICES
GOODRICH · Firestone GOOD YEAR U.S., FISK and OTHERS
$2.15 29x4.40-21
SAVE ON YOUR TIRES
YOU CAN'T BEAT OUR PRICES
And we defy anyone to excel our quality. Every standard brand tire reconstructed by our superior, modern method is positively guaranteed to give full 12 months' service under severest road conditions. This guarantee is backed by the entire financial resources of an old reliable company. Order Now at Today's Lowest Prices.

BALLOON TIRES

Size Rim	Tires	Tubes
29x4.40-21	$2.15	$0.85
29x4.50-20	2.35	.85
30x4.50-21	2.40	.85
28x4.75-19	2.45	.95
29x4.75-20	2.50	.95
29x5.00-19	2.85	1.05
30x5.00-20	2.85	1.05
28x5.25-18	2.90	1.15
29x5.25-19	2.95	1.15
30x5.25-20	2.95	1.15
31x5.25-21	3.25	1.15
28x5.50-18	3.35	1.15
29x5.50-19	3.35	1.15
30x6.00-18	3.40	1.15
31x6.00-19	3.40	1.15
32x6.00-20	3.45	1.25
33x6.00-21	3.65	1.25
32x6.50-20	3.75	1.35

Reg. CORD TIRES

Size	Tires	Tubes
30x3½	2.35	.75
31x4	2.95	.85
32x4	2.95	.85
33x4	2.95	.85
34x4	3.25	.85
32x4½	3.35	1.15
33x4½	3.45	1.15
34x4½	3.45	1.15
30x5	3.65	1.35
33x5	3.75	1.45
35x5	3.95	1.55

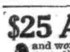
TRUCK TIRES

Size	Tires	Tubes
30x5	$4.25	$1.95
32x6	7.95	2.75
34x7	10.95	3.95
36x6	9.95	3.95
36x8	12.45	4.25
40x8	15.95	4.95

TRUCK BALLOONS

Size	Tires	Tubes
6.00-20	$3.75	$1.65
7.00-20	5.95	2.95
7.50-20	6.95	3.75
8.25-20	8.95	4.95

WE WANT DEALERS
All TUBES GUARANTEED Brand New
SEND ONLY $1 DEPOSIT on each tire. (On each Truck Tire send a $4 deposit.) We ship balance C. O. D., 5% discount for full cash with order. Any tire failing to give 12 months' service will be replaced at half price.
12 MONTHS WRITTEN BOND GIVEN WITH EVERY TIRE
GOODWIN TIRE & RUBBER CO.
1840 S. MICHIGAN AVE., DEPT. 616, CHICAGO, ILL.
FREE BRAND NEW TUBE OR "RAY-O-VAC" LANTERN WITH EACH ORDER FOR 2 TIRES

$25 A WEEK FOR YOU

and work 12 hours a week. Great plan (illustrated) to breed PR Royal squabs. Ask for new free Library 4, send 3-ct. stamp for mailing. Get details, learn what, why, how, where, 1934 facts. Plymouth Rock Squab Co, 324 H St., Melrose, Mass.

JULY REPORT

United States Egg Laying Contests

Breeds: Rhode Island Reds, White Leghorns, Barred Rocks, New Hampshire Reds, White Rocks, White Wyandottes, Australorps, Buff Rocks, Light Brahmas, Buff Leghorns, Exchequer Leghorns, White Minorcas, Anconas, Silver Wyandottes, Buff Orpingtons, Jersey White Giants, Light Brown Leghorns, Blue Andalusians, Rose Comb Reds, Laced Barnevelders, Lamonas, White Barnevelders.

Summary of Standard Contests

High Pen of Each Breed—Tenth Month

Breed	*Contest*	*Eggs to Date*	*Points to Date*	*Owner*
R.I.R.	Maine	2541	2663.00	Lord Bros.
W.L.	Florida	2522	2641.65	Dixie Pl. Yds.
B.R.	N. Y. Central	2294	2319.50	James Dryden
N.H.R.	Pennsylvania	2194	2302.15	Red. Mt. Fm.
W.R.	Maine	2140	2201.00	Kalerok Fm.
W.W.	Oklahoma	2091	2083.02	L. J. Demberger
Aus.	N. J. Vineland	1845	1902.90	Overbrook Fm.
Bf.R.	N. Y. State	1823	1782.00	Far-a-way Fm.
Lt.Bra.	Maine	1663	1775.00	Mrs. M. M. Clarke
Bf.L.	Oklahoma	1686	1685.35	Ward's Pl. Fm.
Exch.L.	Florida	1695	1666.70	H. L. Day
W.M.	Georgia	1608	1615.80	Colonial Pl. Fm.
Anc.	Texas	1527	1482.20	Eriksen's Anc. Yds.
Sil.W.	Florida	1375	1359.15	L. C. Gravlee
Bf.O.	So. Dakota	1314	1301.35	Mrs. L. D. Larson
J.W.G.	N. Y. State	1244	1266.60	Geo. H. Price
Lt.B.L.	Oklahoma	1221	1235.83	C. W. Pevehouse
Bl.And.	N. Y. State	1096	1185.00	Walter C. Dobe
R.C.R.	So. Dakota	1108	1055.25	Mrs. G. M. Baldwin
L.Barn.	Maine	1063	1004.00	Hope Fm.
Lam.	Texas	918	937.05	S. E. Raymond
W.Barn.	Maine	690	645.00	A. D. Arnold

High Hen of Each Breed—Tenth Month

R.I.R.	Maine	277	299.00	G. B. Treadwell
W.L.	Florida	270	290.30	Dixie Pl. Yds.
B.R.	Rhode Island	270	286.50	Oakland Fm.
N.H.R.	Pennsylvania	255	277.05	Highland Pl. Fm.
W.R.	Maine	242	260.00	E. A. Hirt
Aus.	Oklahoma	263	252.95	Overbrook Fm.
W.W.	Michigan	215	233.50	Fisher Pl. Fm.
Lt.Bra.	Maine	215	233.00	Mrs. M. M. Clarke
Exch.L.	Florida	230	223.65	H. L. Day
Bf.L.	Oklahoma	200	216.05	Ward's Pl. Fm.
W.M.	Texas	205	214.65	Colonial Pl. Fm.
Bf.R.	N. Y. State	219	213.00	Far-a-way Fm.
Anc.	Pennsylvania	230	201.85	Eriksen's Anc. Yds.
J.W.G.	N. Y. State	187	198.00	Geo. H. Price
Bf.O.	So. Dakota	189	184.25	Mrs. L. D. Larson
Bl.And.	N. Y. State	171	184.00	Walter C. Dobe
R.C.R.	So. Dakota	187	182.70	Mrs. G. M. Baldwin
Sil.W.	Florida	156	170.70	L. C. Gravlee
L.Barn.	Maine	161	169.00	Hope Fm.
Lam.	Maine	181	167.00	S. E. Raymond
Lt.B.L.	Oklahoma	145	139.25	C. W. Pevehouse

High Pen of Each Standard Contest—Tenth Month

Contest	*Breed*	*Eggs to Date*	*Points to Date*	*Owner*
Maine	R.I.R.	2541	2663.00	Lord Bros.
Florida	W.L.	2522	2641.65	Dixie Pl. Yds.
Rhode Island	R.I.R.	2410	2549.00	Red Mt. Fm.
Pennsylvania	W.L.	2460	2546.40	G. A. Leader
N. Y. Western	W.L.	2344	2477.15	W. A. Seidel
Georgia	W.L.	2315	2448.40	J. P. Pirkle
Texas	W.L.	2348	2409.50	Erath Egg Fm.
Michigan	W.L.	2368	2404.65	E. C. Foreman
N. Y. Central	B.R.	2294	2319.50	James Dryden
Oklahoma	W.L.	2249	2270.00	Geo. C. England
Arizona	W.L.	2182	2267.00	Max Johnson
N. J. Vineland	R.I.R.	2247	2253.15	Louis Schaible
N.J.Hunterdon	W.L.	2282	2239.25	Quality Pl. Fm.
N. J. Passaic	W.L.	2181	2159.20	Scherer Bros.
N. Y. State	W.L.	2045	2148.00	Kwality Fm.
So. Dakota	R.I.R.	1441	1471.75	Sunshine State Htch.

Summary of Non-Standard Contests

High Pen of Each Breed—Ninth Month

Breed	*Contest*	*Eggs to Date*	*Owner*
R.I.R.	Connecticut	2345	G. B. Treadwell
W.L.	Connecticut	2229	Irving J. Kauder
B.R.	Connecticut	1917	James Dryden
N.H.R.	Connecticut	1804	J. Ralph Graham
W.R.	Connecticut	1788	Kalerok Fm.
W.W.	Connecticut	1447	C. L. Hohman
J.W.G.	Illinois*	785	Ajax Htch.
W.M.	Mississippi	713	Colonial Pl. Fm.
Bf.R.	Illinois*	588	Kip's Pl. Service
Lt.Bra.	Illinois*	579	Ajax Htch.
Aus.	Illinois*	562	Overbrook Fm.

High Hen of Each Breed—Ninth Month

W.L.	Illinois	256	Logan Leg. Fm.
R.I.R.	Connecticut	246	Globus Pl. Fm.
B.R.	Connecticut	235	James Dryden
N.H.R.	Connecticut	231	Hubbard Fms.
W.R.	Connecticut	228	Kalerok Fm.
W.W.	Connecticut	195	C. L. Hohman
J.W.G.	Illinois	195	Ajax Htch.
Aus.	Illinois	146	Overbrook Fm.
Lt.Bra.	Illinois	143	Ajax Htch.
Bf.R.	Illinois	142	Kip's Pl. Service

To Stop Thieving

Have thieves ever taken any of yours or your neighbor's chickens? Whether they have or haven't, you will be interested in Poultry Tribune's new service leaflet No. 30 "Stop That Thief." It shows in text and drawing how to install a simple burglar alarm and gives a number of other valuable suggestions for preventing theft of your chickens. Just now when your pullets and turkeys are at their prime, the danger of theft is greatest. Simply send a 3-cent stamp to *Service Department, Poultry Tribune, Mount Morris, Illinois,* for this new leaflet.

"BLACK LEAF" Worm Powder 3402 ONCE IN MASH
Use "Black Leaf" Worm Powder, the effective, one-dose, inexpensive way to kill large roundworms.
Just mix in mash and feed once in ordinary way. Odorless—tasteless—no toxic effect. Nicotine is released only in intestines where worms live. ¼ lb. in a gallon of mash treats 100 birds. Sold by dealers or, 100 bird size sent postpaid for 75c and your dealer's name. Descriptive circular free.
Made by the makers of "Black Leaf 40"
Tobacco By-Products & Chemical Corporation, Incorporated Louisville, Ky.
NRA
"BLACK LEAF" WORM PELLETS made from Worm Powder are available for individual dosing. 100 sent postpaid for 85c and your dealer's name. A few pellets are included in every package of Worm Powder, for birds "off feed."
ONE DOSE KILLS ROUNDWORMS

KILLS EVERY RAT... Stops Feed Losses

Cyanogas goes and gets them . . . penetrates deep in their nests and runways. Kills every thieving murderous rat. Saves you money in eggs, chicks and feed
A few cents' worth does the job. No waste. Recommended by Federal and State Officials. Buy at Drug, Hardware, Seed or General Stores.
½ LB. 45c 1 LB. 75c 5 LBS. $3.00
FREE Booklet—Write Dept. J4
American Cyanamid & Chemical Corporation
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New York City
CYANOGAS

Don't Buy Fencing
Until You Get My Factory Prices!
Let me send you my New Bargain Fence Catalog and show you how much money you can save by buying your fencing *direct from my factories.* You can't buy better quality than Jim Brown Copper Steel fencing—outlasts non-copper steel fencing 2 to 1, and yet my factory prices are less!
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Don't pay more than Jim Brown's Prices. Catalog also shows bargains in Gates, Steel Posts, Barb Wire, Roofing, Paint, Baby Chicks, Poultry Supplies, Harness and other farm and home needs. Write to factory nearest you for free catalog.—Jim Brown
THE BROWN FENCE & WIRE CO.
Dept. 1970-A, Cleveland, O. Memphis, Tenn.

Money From Poultry Meat

(Continued from page 5)

tainly this should not be done in the case of poultry *sold to* be shipped on live-poultry cars because there is usually an excessive shrinkage in weight before the chickens arrive at their destination.

It is true, of course, that shipping chickens alive *on long hauls* is a wasteful *method of* marketing; just think of the thousands upon thousands of dollars spent annually on freight charges for carrying to distant markets the heads, feet, and offal that are finally discarded, and then there are additional costs involved in transporting the empty live-poultry cars back to the shipping points. It would be far more economical and in the best interests of the poultry industry if practically all chickens were slaughtered near the source of production. Perhaps this will become an established practice some day, for a start has been made, I understand, in having poultry kosher-killed in the Middle West and shipped as dressed poultry to the Jewish consumers in New York City. Of course, as long as large numbers of market poultry are marketed alive, the live-poultry car undoubtedly provides the most economical means of transportation.

CROSSBREEDING offers possibilities of increasing the returns from poultry meat, since crossbred birds usually grow faster during the first few weeks than purebred chickens, are more uniform, and there is sometimes less mortality. Except possibly for broiler production, the White Leghorn should not be used in crossbreeding. Practically any of the so-called heavy breeds may be crossed, the results secured depending largely upon the quality of the particular strains of purebreds that are crossed.

There are certain advantages in making sex-linked crosses because the cockerels may be separated from the pullets at hatching time and can be given a diet relatively high in protein to promote early rapid growth and then given a more fattening diet just before marketing time. Sex-linked crosses include: Rhode Island Red, Buff Plymouth Rock, Buff Orpington, Jersey Black Giant, or other colored males with Barred Plymouth Rock females; Rhode Island Red, Buff Plymouth Rock, or Buff Wyandotte males with White Wyandotte females; Rhode Island Red, Buff Plymouth Rock or Buff Wyandotte males with Light Brahma or Light Sussex females.

Turkey growers would seem to profit best by developing strains of early maturing turkeys that have relatively short legs and plump breasts. Early maturing birds should be in a more finished condition at marketing time than many of the turkeys being raised now. Consumers are more and more expressing a preference for smaller-sized birds than have usually been available heretofore. Small-bodied, well-finished birds should dress out with less waste and command a higher price than the long-legged, scrawny birds that are so prevalent on the Thanksgiving and Christmas markets.

Should Poultry Have Grit?

(Continued from page 4)

The use of grit in batteries is considered of no value by L. E. Card in the 1934 edition of "Poultry Production" by Lippincott and Card. I am advised that the New Jersey Experiment Station, New Brunswick, New Jersey, has under way an experiment on the feeding of grit to chickens in batteries.

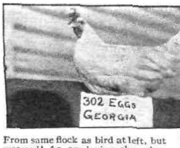
If you are engaged in the commerical production of chickens and are feeding both grain and mash, it is wise to hopper feed grit. Buy the proper size for your chickens. The manufacturers have it from baby chick size to hen size. It is generally graded and called "chick size," medium and large.

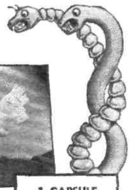
Farmer: "Hey! Drop it! That rooster belongs to me."
Rastus (making getaway): "It won't be long now!"

* * *

Inspector (testing Casey's mentality): "If I gave you a rooster, and Mike gave you another, how many roosters would you have?"
Casey: "Four."
Inspector: "How could that be?"
"Well, sor, Oi have two of me own, already."
—Detroit Free Press.

WARNING! Worms Can Drive You Out of Business





TOTAL LOSS—Chick from prize strain, but infested by round worms and about to die.

From same flock as bird at left, but wormed! An egg-laying champion.

1 CAPSULE DELIVERS 2 DOSES HOURS APART

Coating of insoluble Nicotine emulsifies and passes into the intestines, destroying *large round* and pin worms.
Hard Enteric Coating protects the inside capsule until—
Hours Later, when it is broken by the gizzard (or intestinal alkaline juices) to release Kamala destroying tape worms.

IF DEALER CANNOT SUPPLY, MAIL ORDER

NOW! NEW "Split-Action" CAPSULE DOES THE WORK OF *TWO* Ordinary Worm Treatments

When the government estimates *85% of all poultry is wormy, how* can you afford to take chances with even healthy-looking birds? Get rid of worms now before they get a real hold on your flock!

You know that Nicotine is best for destroying round and pin worms—that Kamala gets the tape worms. Since birds are commonly infested with all three, it's *good sense to use both drugs.*

But—Nicotine and Kamala cannot be given together **successfully** —because the action of one drug **interferes** with the other and *satisfactory results are impossible.* U. S. Dept. of Agriculture tests have proved it.

But Pratts "Split-Action" Capsules (patent applied for) are not ordinary capsules. They first release Nicotine into the intestines, *killing round and pinworms.* Hours later, the Kamala is delivered into the intestines right on the tape worms. In one operation, at one low cost, the worms are cleaned out as thoroughly as though you had given the birds two separate capsules. N-K's are far easier on the birds, too!

Stop using treatments that get only part of the worms. Only in Pratt N-K Capsules can you get "Split-Action". They cost no more! If your dealer cannot supply, mail coupon with remittance. Do it now—to delay worming is dangerous!

If dealer cannot supply, check the package wanted, enclose amount specified together with your name and address, and mail to

Pratt Food Company, Dept. 665, Philadelphia, Pa.

Number of Capsules	Birds over 3 lbs. (*Adult Size*)	Birds 3 lbs. and Under (*Chick and Pullet Size*)
50	☐ $0.85	☐ $0.55
100	☐ 1.50	☐ 1.00
500	☐ 5.50	☐ 3.75
1000	☐ 10.00	☐ 6.50

PRATTS "Split-Action" N-K CAPSULES

PATENT APPLIED FOR

YEAST JUMPS EGG YIELD FROM 25% TO 60% IN TWO WEEKS!

"BEFORE starting to feed yeast, I was getting only 25% egg production from a pen of 100 pullets. Now, after two weeks on the yeast fermented mash, they are giving better than 60% production. The only change in their ration was the addition of your yeast." That's what Animal-Poultry Yeast Foam did for an Iowa poultryman. From Florida comes this report: "The fermented mash is wonderful. My 200 layers are not only producing more eggs; they are so improved in vigor and vitality that they look like pullets just starting to lay." From Massachusetts: "After weathering a terrible winter my yeast-fed hens are still laying 61%."

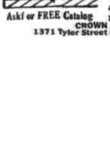
Try fermenting your regular mash with Animal-Poultry Yeast Foam this fall and winter. You will be delighted to see how this one simple change in your feeding methods will make your hens lay more eggs and bigger eggs just when prices are highest.

4-lb. box of Animal-Poultry Yeast Foam, enough for 300 lbs. of mash, only $1 at your dealer's. Or sent anywhere in U. S. A. on receipt of check or money order.

Write for free copy of new book, "Profitable Feeding Methods" written by nationally known poultryman. Northwestern Yeast Co., Dept. E, 1750 N. Ashland Ave., Chicago.

PULLETS **15,000 TO SELECT FROM—PROFIT BRED. 50c AND UP.** Large English Type Leghorns of various ages up to laying stage. Lower prices for younger pullets. Many years' breeding increases egg production. Also hens and breeding cockerels. C.O.D. on approval—"inspection privilege" at your Express Office before you pay. Catalog explains all.
FAIRVIEW HATCHERY & POULTRY FARM, Box P, R. 2, Zeeland, Mich.

Hanson's World Great Production Strain
50% OFF ON SUMMER HATCHING EGGS — BARGAINS ON PEDIGREED 10 TO 15 WEEKS OLD COCKERELS
Write **J. A. HANSON, Box 14, Corvallis, Ore.,** for FREE CATALOGUE. Code No. 3102



Raise them on WIRE FLOORS

Wire floors mean healthier chicks—lower mortality. Use Crown's Hardware Cloth—best quality, heavily galvanized. Buy wire fabrics and supplies direct at low cost. Save money.

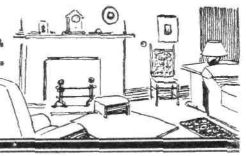
Ask for FREE Catalog
CROWN IRON WORKS CO.
1371 Tyler Street N. E., Minneapolis, Minnesota

A 160-page Book of Direct Selling Plans

This book tells how to sell eggs and poultry direct to consumer at top prices. This is the secret of success. Each plan has been tested out. Explains how to sell by parcel post, by egg routes, to summer resorts, to restaurants, to hotels, to tourists, to retailers, etc. 160 pages, illustrated, paper binding. Price $1.00

Poultry Tribune **Mount Morris, Ill.**

HOMEMAKING



By MRS. E. J. TILTON,
Home Department Editor

What Comfort With a Home Furnace!

"IF I WERE asked to what the singular prosperity and growing strength of the American people ought mainly to be attributed, I should reply—to the superiority of their women." Alexis de Toqueville. High praise, these words found in H. Addington Bruce's "Women in the Making of America."

Some may even hotly dispute, protesting that the American woman, surrounded by conveniences, undreamed of by her foreign sisters, is never satisfied, always demanding more and more. And so she is! Hers is the spirit of progress which typifies America. The good must ever be better, and the better ever made best, for her and her family.

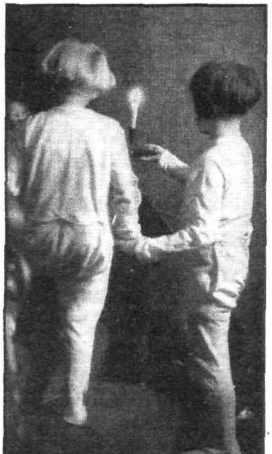
Not without opposition has she determined that, as for her and her family, life holds more than drudgery. The satisfied woman is a most comfortable soul to live with, but she supplies no urge for improvement and progress. The wisely selfish woman is not the chronic, whining, faultfinder but she is endowed with that "divine discontent," which, though it may hold both her own and her husband's nose to the grindstone, brings improvement to the lives of her family, her community, and the nation. "Created in His image," writes Konrad Bercovici," we should be unworthy of Him, did we not attempt to create."

THE crude tents of grass, hides, and poles of our distant forefathers gave way to more substantial structures, not because the lord of the household saw need of better housing, but because his mate insisted that better quarters be found. Woman has ever been ambitious for her family, and has schemed, plotted, planned and worked to see her dream come true, and as a result, life has taken a step forward.

The home, always recognized as the cradle of citizenship, is now acknowledged as the mainspring of progress and commerce, and world wide in its consequences. Its importance was stressed by President Roosevelt in his June address to Congress when he said, "Our task of reconstruction does not require the creation of new and strange values . . . People want decent homes to live in . . . . We are working toward the ultimate objective of making it possible for American families to live as Americans should."

Today the tang of autumn is in the air. Leaves are falling, mornings and nights are cool, mists rise over the fields. Indian summer will soon be here. Truly it is a delightful season, but one which forecasts colder winter days. Busy days, these, for farm folks. Corn to husk, fodder to store for winter forage, the last fruits of the garden and orchard are being canned for winter use. What a time grandmother used to have persuading granddad to pause long enough from his pressing tasks to put up the old base burner. From day to day, it was delayed upon one pretext or another. The help of a neighbor or two was always necessary to bring it out of storage. What a temper-trying, finger pinching time was the fitting of the stove pipe together, to be followed by the choking, stifling odor of stove polish.

BENJAMIN FRANKLIN, the versatile patriot and sage, invented the first cast iron stove in 1742, calling it the "Pennsylvania Fireplace." Improved and refined, it has served the American home well, but like its predecessor, the fireplace, which roasted your face while your back shivered, it has seen its day of usefulness. Cool autumn days, with windows and doors fast closed, soon were followed by the furniture falling to pieces, cracking walls, and peeling wall paper. Epidemics of colds, influenza, and pneumonia became prevalent. Investigation revealed that most of these conditions were directly traceable to air which was too dry, and unwholesome. Perhaps the largest contributing factor toward many of these distressing, and ofttime dangerous, diseases was faulty heating. Mothers began to learn that stove-heated homes were usually overheated—overheated to secure comfort because of lack of the proper air moisture. The average American home was supplied with but half the air moisture, or humidity, that health required.



With a furnace in the basement the whole house can be heated comfortably, without having ashes and sooty smoke upstairs. A hot air system is easy to install, and very economical to operate.

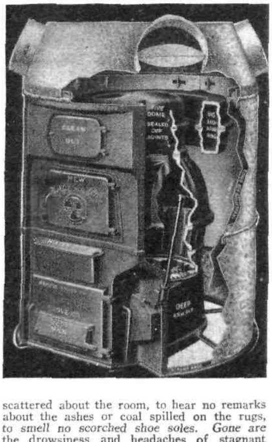
The dryer the air in a room, the more heat required to make it comfortable. With proper humidity, a room is more comfortable at 68 degrees than at 72 degrees with insufficient humidity. Proper humidity means an appreciable saving in fuel, as well as improved health. Old type home heaters had no arrangements for air circulation. Stagnant air, like stagnant water, soon grows to be a menace to health.

SO, in effect, American mothers said, "Stove heating with its lack of properly moistened circulating air, is unhealthy and costly. Build for me equipment, which may easily be installed in my home, and provide heat with a circulation of properly moistened air." As a result, many farm and city homes are today heated with furnaces, piped and pipeless, as an answer to that demand. Boys and girls study their home work in comfort, no longer straining their eyes away from the light so as to sit close to the stove.

Poultry Tribune's Subscriber Service Department has now been expanded to include a free Question and Answer Service on questions relating to Homemaking. If there are questions about heating the home, about canning, or about a dozen other subjects which fall in the Homemaking classification, send a letter addressed to the Home Department and enclose a three cent stamp for return postage. This month ask us to send you a free catalog on home heating. Just send a postal card.

Mother need no longer decline to serve as hostess to her club, Home Bureau, or other social gatherings because of the uncertainty of making the home comfortable during cold weather. Her friends find her home comfortable even during the coldest weather.

And who can enjoy the cozy warmth of a comfortable chair more than the head of the house after a day devoted to caring for the stock in sub-zero weather. After a day spent in shoveling paths, wading snowdrifts, watering and feeding stock, what a pleasure to sink into an easy chair with the family comfortably scattered about the room, to hear no remarks about the ashes or coal spilled on the rugs, to smell no scorched shoe soles. Gone are the drowsiness and headaches of stagnant ventilation of stove heat. Gone the dread of putting the stove up in the fall, and taking it down in the spring, and in their place a little glow of pride at being able to assemble the new heating unit so quickly and well, once and for all. If one could read dad's thoughts, they probably would be, "We should have done this long ago."



. . . News

(Continued from page 2)

Wisconsin Assoc. To Meet Oct. 5

Madison, Wis.—The fall meeting of the Wisconsin Poultry Improvement Association will be held here, October 5, announces C. Howard King, in charge of poultry and egg marketing in the Wisconsin Department of Agriculture and Markets. Two speakers of national repute have been obtained, in addition to speakers from Wisconsin.

* * *

3,000 Hatcherymen Meet In Cleveland To Discuss Problems

Cleveland, Ohio.—More than 3,000 hatcherymen and friends gathered here to attend the International Baby Chick Convention July 30-Aug. 2, resulting in the largest and most enthusiastic convention since 1930.

D. D. Slade

Main questions of discussion were the hatchery code, which received overwhelming approval with minor changes suggested, and chick sexing. Apparently standard bred cockerel and pullet chicks separated as to sex at hatching time will be available in all parts of the country next season.

Another outstanding *achievement was the* report of a special committee which recommended uniform breeding and pullorum eradication terminology to be used by breeders in all states after its approval by the Secretary of Agriculture. It is not a compulsory plan, but is one long desired by leaders in breed improvement work. Under its tentative provisions, the use of the word "accredited" becomes an unfair trade practice.

Officers of the association for 1935 were elected as follows: D. D. Slade, Lexington, Ky., president; A. H. Demke, Stephenville, Texas, *vice president: C. I. Bashore, Silver* Lake, Indiana, secretary-treasurer. Reese V. Hicks and his son Charles were again named executive-secretary and assistant executive-secretary, respectively.

J. A. Hannah, on leave of absence from Michigan State College, was requested to continue as managing agent of the National Commercial and Breeder Hatchery Coordinating Committee.

A feature of the convention was the display of new equipment and supplies by more than [illegible]0 commercial companies.

* * *

MaKomb Introduces New Type Brooder

Kokomo, Indiana.—A revolutionary advance in artificial brooding has been announced by the Globe American Corporation, here, manufacturers of the MaKomb line of poultry equipment. This new development, introduced at the Cleveland I. B. C. A. convention and in the MaKomb exhibit at a Century of Progress, provides substantially the same temperature for all chicks at the same time and also gives reduced fuel cost, eliminates much of the fire hazard and retains the desired condition of relatively cool rooms *outside the brooder area.*

Heretofore, there has been a considerable variation in the temperature made available to the chicks under the brooder hover, according to D. B. Tolley, sales manager. Extensive tests have proven that chicks on the inside of the so-called brooding circle receive a temperature many degrees higher than those on the outside. At times this variation may run as much as 50 degrees, from 110 degrees at the inside chick to 60 degrees at the outside chick. This variation, however, must not be confused with fluctuation. Variation referred to is difference in temperature at *different points at the same time.*

* * *

Flat Faced Cowl Offered On Chevrolet Motor Trucks

Detroit, Mich.—An innovation in motor truck practices is announced by Chevrolet Motor Company with its introduction of the flat faced cowl offered as optional at no extra cost on its 112, 131 and 157 wheelbase models. The new design permits the use of a Chevrolet

(Continued on page 13)

Porcelain Enamel Combination Gas, Coal and Wood Ranges

Porcelain Enamel Circulating Heaters

850,000 Customers have proved the economy of

FACTORY PRICES!

Approved by Good Housekeeping Institute

Mail coupon now—get this exciting, colorful Free catalog, sparkling with over 175 illustrations—200 styles and sizes—174 Ranges, 12 Different Heaters, 22 Furnaces. More bargains than in 20 Big Stores. Quality the same that over 850,000 satisfied customers have trusted for *34 years.*

What This Great Catalog Offers

1. **Combination Gas, Coal and Wood Ranges; *Coal and Wood Ranges;* Circulating Heaters; Furnaces** — both pipe and one-register type—all at FACTORY PRICES.
2. **Cash or Easy Terms**—Year to Pay—A New Money Saving Payment Plan.
3. **30 Days FREE Trial**—360 Days Approval Test.
4. **24 Hour Shipment**— Safe Delivery Guaranteed.
5. **$100,000 Bank Bond Guarantee of Satisfaction.**
6. **5 Year Parts Guarantee.**
7. **FREE Furnace Plans—FREE Service.**

Read about the marvelous "Oven that Floats in Flame"—and other new features.

Porcelain Enamel Heaters—both Walnut and Black. Also Wood-burning stoves. Make a double saving by ordering your furnace at the factory price. Install it yourself. Thousands do. It's easy. FREE plans.

Buy Your Stoves Direct From the Men Who Make Them

You don't have to pay *more* than the Factory Price. Come straight to the Factory. *Mail coupon now.*

THE KALAMAZOO STOVE CO., Mfrs.
15 Rochester Ave., Kalamazoo, Mich.
Warehouses: Utica, N. Y.; Akron, Ohio

FREE furnace plans

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"A Kalamazoo Direct to You"
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74 MAGAZINES FOR $1.00

Club No. P-1

POULTRY TRIBUNE	1 year—12 issues
HOUSEHOLD MAGAZINE	1 year—12 issues
COUNTRY HOME	1 year—12 issues
PATHFINDER, weekly	½ year—26 issues
WOMAN'S WORLD	1 year—12 issues

Clip this ad, attach $1.00 bill, and write your complete name and address on margin. If any magazine is a renewal or extension, be sure to designate it. These prices are good only in U. S. A. Send order to

Poultry Tribune **Mount Morris, Ill.**

I. B. C. A. Convention Is Big Success

Yes, successful in drawing a large *crowd and in the amount of work* accomplished at the business meetings.

The complete report of this convention is available in the August issue of Hatchery Tribune. Everyone connected with the poultry industry will thoroughly enjoy the fine articles and editorials concerning the latest developments in the poultry field.

August Hatchery Tribune contains timely articles on the new Hatchery Code, Chick Sexing, Uniform Terminology, News Notes on Exhibitors, etc.

A few extra copies of this issue are now available at 10c each. Subscription price $1.00 a year.

HATCHERY TRIBUNE
Mount Morris, Illinois
Dealer Magazine of the Poultry Industry

A New Type Burglar Alarm

Here is a new, small, compact and highly efficient Burglar Alarm that safeguards life and property. Easily attached for any window, door, chest or building, it provides unfailing protection.

Using a loud .32 cal. blank cartridge, it discharges with a terrific "BANG" the moment any intruder attempts to enter in or out. Tripped by contact in opening a door or window, or, when used with a simple trip line, protects a whole yard or building.

SIMPLE—NEVER FAILS

Cannot Go Off Accidentally
Endorsed by Police Departments

The SENTINEL ALARM, beautifully made of Silver Steel, is rustless and will last you a lifetime. It is the cheapest insurance you can get. Remember, just one theft or pilfering will cost you more than dozens of alarms.

HOW TO GET IT

Poultry Tribune is offering this Alarm to its subscribers as an accommodation service, in combination with a 2-year subscription. For the small price of $1.00, we send you one alarm and the subscription, either new or renewal. If you now take the Tribune, mark your order "renewal" and the subscription will be extended two years. This offer is good in U. S. A. only. Blank cartridges cannot be mailed with alarm but these can be purchased at any hardware store. Send $1.00 today and be prepared to safeguard your property.

POULTRY TRIBUNE
Dept. 189 **Mount Morris, Ill.**

C

FREE TUBE!

with each order for 2 tires. All Tubes New Heavy Gauge Circular Molded. Order now before offer expires.

LOWEST PRICES ON EARTH

TIRE USERS by the thousands all over the *U. S. A.* vouch for the *LONG, HARD* SERVICE, under severest road conditions of our standard brand Tires reconstructed by the ORIGINAL SECRET YORK PROCESS. OUR 18 YEARS IN BUSINESS makes it possible to offer tires at LOWEST PRICES in history with 12 month guarantee.

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Don't Delay—Order Today

BALLOON Tires

Size Rim	Tires	Tubes
29x4.40-21	$2.15	$0.85
29x4.50-20	2.35	0.85
30x4.50-21	2.40	0.85
28x4.75-19	2.45	0.95
29x4.75-20	2.50	0.95
29x5.00-19	2.85	1.05
30x5.00-20	2.85	1.05
28x5.25-18	2.90	1.15
29x5.25-19	2.95	1.15
30x5.25-20	2.95	1.15
31x5.25-21	3.25	1.15
28x5.50-18	3.35	1.15
29x5.50-19	3.35	1.15
30x6.00-18	3.40	1.15
31x6.00-19	3.40	1.15
32x6.00-20	3.45	1.25
33x6.00-21	3.65	1.25
32x6.50-20	3.75	1.35

CORD Tires

Size	Tires	Tubes	Size	Tires	Tubes
30x3	$2.25	$0.65	32x4½	3.35	1.15
30x3½	2.35	0.75	33x4½	3.45	1.15
31x4	2.95	0.85	34x4½	3.45	1.15
32x4	2.95	0.85	30x5	3.65	1.35
33x4	2.95	0.85	33x5	3.75	1.45
34x4	3.25	0.85	35x5	3.95	1.55

HEAVY DUTY TRUCK TIRES

Size	Tires	Tubes	Size	Tires	Tubes
30x5	$4.25	$1.95	36x6	9.95	2.95
34x5	4.25	2.00	34x7	10.95	3.95
32x6 (8)	7.95	2.75	36x8	12.45	4.25
32x6 (10)	8.95	3.75	40x8	15.95	4.95

ALL OTHER SIZES

DEALERS WANTED

SEND ONLY $1.00 DEPOSIT with each tire ordered. ($4.00 deposit on each Truck Tire.) We ship balance C.O.D. Deduct **5 per cent** if cash is sent in full with order. **ALL TUBES BRAND NEW—GUARANTEED.** Tires failing to give 12 months' service replaced at half price. ORDER NOW!

YORK TIRE & RUBBER CO., Dept. 2918-A
3855-59 Cottage Grove Ave. Chicago, Ill.

STOP INFECTIONS ACCOMPANYING **ROUP** **COLDS** **CANKER** **FOUL TYPHOID** **DIPTHERIA** ALSO FOR **CHOLERA**

VACCINATE

Big poultry profits now looked for. Keep flock healthy—stop trouble from diseases. Get more eggs and save every hen by vaccinating. Leading poultry breeders use—

B-B AVIAN MIXED BACTERIN

BIG 1 C-C TWICE THE FORMER DOSE

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Each dose prepared in *our up-to-date Laboratories under* U. S. Veterinary License No. 17. Order now. Dr. Beebe's Avian Mixed Bacterin most scientific. Easiest to use. Costs less than a cent and a half per bird for large flocks. Order direct from this advertisement or write—today. Ask for our **FREE** Short Course on Poultry.

FREE Glass Barrel Syringe, also bottle antiseptic, with each order from this ad.

PRICES
500 1CC Doses. $6.00
250 1CC Doses. 4.00
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ACME EGG GRADING SCALE

Think of it! This fine scale—indorsed and used by U. S. Govt.—official scale World's Fair egg laying contest—at this new low price! Sturdily built of aluminum—no springs, weights, or adjustments—shows grade instantly. Send for ACME today. Money back guarantee.

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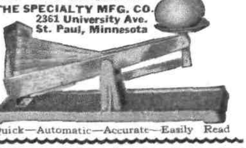

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GROW MUSHROOMS We show you how; use cellar, idle space; plant all seasons; overnight crops. We buy; 540% profit; our service free. Act quick. **INTERSTATE MUSHROOM INDUSTRIES, NB-7357 Cottage Grove Ave., Chicago, Ill.**

Questions and Answers

Letters from subscribers answered free. Send 3 cent stamp for return postage.

by J. H. FLOREA

Service Department

Don't Send Specimens!

Every week we receive at this office a number of specimens which our subscribers *desire to have us post.* Poultry Tribune has no facilities for doing this work which often entails chemical and bacteriological research. *Most state colleges are equipped to perform this service.* If you do not have it, write us for the address of your agricultural college.—*Editor.*

Fall Hatched Chicks

What do you think of the idea of fall hatching of chicks for layers?—A. G. A., N. Car.

Answer: We certainly would not advise you to hatch all of your chicks in the fall, but poultrymen who have a market requiring a steady supply of good sized eggs are extending their hatching operations over a longer period of time in order to have pullets coming *into lay when the spring hatched birds are* dropping in production. Poultrymen who are using hen batteries are also brooding chicks throughout a greater part of the year in order to have pullets to replace any hens that are culled or die in the batteries.

In a recent article, Prof. E. L. Dakan, Ohio State University, suggested a fall brood of chicks in order to keep equipment in continuous use during the year.

* * *

Variation In Egg Weight

Is there any difference in the size of the eggs produced by the same hen in one egg cycle?—R. K., Iowa.

Answer: The term "cycle" designates the eggs laid on consecutive days. The first egg laid in two, three or four egg cycles was the largest egg laid during the cycle, according to *records secured at the Missouri Agricultural Experiment Station. Eggs laid during the* remainder of the cycle decreased in weight as the cycle advanced.

* * *

Can I Use Oil on Dirt Floor?

How can I fix a dirt floor in a laying house, so that it will be satisfactory? Can it be oiled and rolled until it is hard?—H. S. D., Colo.

Answer: So far as we are aware, there is *no really satisfactory way of preparing a dirt* floor in a poultry house. If you could get clay which could be tamped well, that probably would make the hardest and smoothest surface.

In those houses in which we have seen oil tried, the birds usually scratch dust holes in them and the resulting dust and dirt gives an extremely dirty appearance to light colored chickens.

We believe you would be well repaid by the use of a board or concrete floor in your houses.

* * *

Determining Sex of Chicks

It seems like a lot of hatcheries have been offering *pullet chicks.* How can they determine the sex of the chicks when they are only a day old?—E. L. W., Iowa.

Answer: There are several ways of separating the sexes in day-old chicks. By making matings between certain breeds, the male and female chicks show a difference in the color of the down, or in the rate of development *of the wing feathers. The sex of pure*bred Barred Plymouth Rock chicks can be determined at hatching time by shank color, with careful breeding to develop the difference.

Of course the most recent, and what probably will become the most popular method of determining sex of chicks, is by the examination of the vent and the separation of the sexes according to the sex organs. This method has been used by the Japanese for several years, and was *only recently introduced into* America by Japanese experts. A good many hatcheries are planning to offer chicks separated by this method next year.

* * *

Leaflets for Subscribers

The following leaflets and circulars which have been prepared to aid our readers may be obtained by addressing the Service Department, Poultry Tribune, Mount Morris, Ill. If you wish, you may clip this notice and check those leaflets that you want, sending along the postage indicated. *Don't forget to give your name and address.*

- ☐ No. 1, How to Control Round Worms and Tape Worms in Poultry with list of worm remedies—*6 cents in stamps.*
- ☐ No. 2, How to Control Coccidiosis in Chicks—*3-cent stamp.*
- ☐ No. 3, Instructions for Caponizing—*3-cent stamp.*
- ☐ No. 4, How to Ventilate a Poultry House—*3-cent stamp.*
- ☐ No. 5, Egg and Poultry Buyers—*3-cent stamp.*
- ☐ No. 6, Poultry Tribune's Special Egg Record Sheet—*10 cents in stamps.*
- ☐ No. 7, Plans for Egg Cooling Cabinet—*3-cent stamp.*
- ☐ No. 8, Canned Chicken is Tasty and Convenient—*3-cent stamp.*
- ☐ No. 9, How to Control Roup and Colds in Poultry—*3-cent stamp.*
- ☐ No. 10, All Night Light—*3-cent stamp.*
- ☐ No. 12, Starting and Growing Rations—*3-cent stamp.*
- ☐ No. 13, Laying Rations—*3-cent stamp.*
- ☐ No. 16, Answers to 10 Common Questions on Housing—*3-cent stamp.*
- ☐ No. 19, Controlling Cannibalism, Feather Pulling and Egg Eating—*3-cent stamp.*
- ☐ No. 20, Direct Selling Information for the Poultryman—*3-cent stamp.*
- ☐ No. 21, When and How to Vaccinate for Chicken Pox Control—*3-cent stamp.*
- ☐ No. 22, Caging the Layers—*3-cent stamp.*
- ☐ No. 23, Blackhead Control—*3-cent stamp.*
- ☐ No. 24, Broiler Production—*3-cent stamp.*
- ☐ No. 25, Figuring a Balanced Ration—*3-cent stamp.*
- ☐ No. 27, That New Bronchitis Vaccine—*3-cent stamp.*
- ☐ No. 28, How to Control Lice and Mites—*3-cent stamp.*
- ☐ No. 29, How to Spot the Non-Layer, *3-cent stamp.*
- ☐ No. 30, Stop That Thief—*3-cent stamp.*
- ☐ Complete List of Products Approved After Test on Poultry Tribune Experimental Farm (Includes brooder stoves, brooder houses, feeders, fountains, insulation, etc.)—*3-cent stamp.*
- ☐ **Bul. 1, How to Build a Range Shelter for 125 pullets**—*15 cents.*
- ☐ **Bul. 3, Newest Model 24 x 24 Combination Roof Laying House Blue Print**—*15 cents.*
- ☐ **Bul. 4, How to Build a Brooder House (blue print)**—*15 cents.*
- ☐ **Bul. 5, Blue Print and Plans for Two Story 1500-Hen House**—*25 cents.*
- ☐ **Bul. 6, Blue Print and Plans for 20x40 Shed Roof House**—*15 cents.*

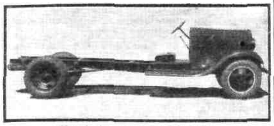
Clip this list and mail to

Poultry Tribune, Mount Morris, Ill.

Nat

chassis with any custom body built for a flat cowl.

The new construction was designed for the benefit of the many vocations using special bodies, such as school buses, single unit refrigerator bodies, public utility construction bodies, contractors' dump bodies, and other



Chassis for custom built body.

types that do not utilize separate cabs. The regular Chevrolet truck chassis carries a streamlined treatment of the hood, cowl and front pillar posts. On trucks of the three wheelbases listed, the flat faced cowl trucks give, respectively, the following distances from the face of the cowl and the rear end of the frame, 104 7/16 inches, 124 5/16 inches, 150 5/16 inches.

* * *

Margaret Remmel Wins July PT Cover Contest

By their vote in the July contest asking which cover on this year's Poultry Tribune was liked best, Poultry Tribune subscribers indicated a wide variety in taste. Each cover painting from January to July received a share of the votes.

The first prize of $5 for her statement in voting for her favorite cover was awarded to Miss Margaret Remmel, Wisconsin; the second prize of $2 was awarded to Mrs. J. H. Rostenbach, Iowa, and the three one dollar prizes to Harold Newberg, Iowa; Mrs. Bertha Beery, Illinois, and M. J. Carley, Mississippi.

On the Cover!

This month Artist A. O. Schilling has chosen to present Single Comb Rhode Island Reds in his cover painting. This is one of the most popular native American breeds, named in honor of the state in which it was originated.

The breed has a wide appeal. It is an excellent meat breed, broilers of this breed being preferred on most markets above all, except Plymouth Rocks. The breed appeals to the fancier because of the rich, brilliant red coloring, and the breeding art required to secure birds conforming to the Standard of Perfection. Rhode Island Reds also rank among the leaders in egg production. At the end of June, the ninth month of the current contests, a pen of Reds ranked first in U. S. standard contests. They lay a good-sized, brown shell egg.

According to the Standard of Perfection, Reds were originated by crossing Red Malay Game, Leghorn and Asiatic native stock. In 1904 the single comb variety was admitted to the Standard, and a year later the rose comb variety was admitted.

"What did the hatcheryman say, when you told him you were quitting?"

"He said the second line of 'Hail, Hail, the Gang's All Here.'"

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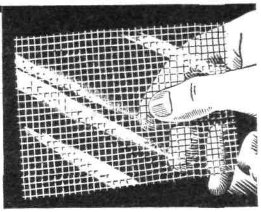

Give Your CHICKS *the benefit* of DOPLEX *Glass Substitute*

Do you want to cut down losses through death of growing chicks? Do you want your chicks to be stronger . . . more resistant to disease? Do you want bigger, more healthy chicks and at the same time get these results at the lowest cost?

Poultry raisers have found in DOPLEX Glass Substitute, an answer to some of their most troublesome problems. DOPLEX is light, strong, economical, and easy to cut and put in sash. It keeps out cold winds, offers minimum obstruction to sunlight . . . and does not lose its transparency even after long exposure to the sun—the most *economical* glass substitute you can buy!

Ask for DOPLEX . . . the glass substitute that is made of two sheets of waterproof cellulose acetate with wide-mesh fabric cemented between. Try it on one of your brooder houses.* Compare the growth and health of your chicks with those raised under other conditions. Your dealer carries DOPLEX in stock . . . or can get it for you quickly. The Dobeckmun Company, Cleveland, Ohio.

**Produce farmers also find Doplex excellent for hot bed and cold frame sashes—in fact Doplex can be used any place where inexpensive transparency is desired.*

DOPLEX

BETTER THAN GLASS

DEALERS: *Write today for free sample of* DOPLEX

2 NEW ARNDT BATTERIES

ONE for BROILERS; ONE for LAYERS

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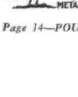

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Just send a penny postal card to the address given here. The booklet listed will *then come direct to your home.* Do not send requests for any of these booklets to Poultry Tribune. You must write direct to the address listed.

● *New Model Truck for Poultrymen* comes equipped with streamlined 9-foot panel body. Sizes one-half ton up, chassis f.o.b. prices $390 up. Address: *International Harvester Co., Dept. P. T., 606 S. Michigan Ave., Chicago, Ill.*

● *The Show-Down Way to Judge Automatic Oil Heat* tells about oil burners which may be installed in any type of heating plant and which automatically maintain even temperature. Models for all kinds of commercial and home duty are available, also a complete plan of installation is included. Address: *Delco Appliance Corp., Dept. P. T. 2, Rochester, N. Y.*

● *Inside Information on Successful Trapnesting and Pedigree Hatching* is a profusely illustrated booklet which will be helpful to poultry raisers who plan to trapnest this fall. An efficient system of keeping both trapnest and pedigree hatching records is outlined. Complete sample set of trapnest and pedigree forms mailed for ten cents to cover cost of mailing. Address: *National Band and Tag Co., Inc., Dept. P. T., Newport, Ky.*

● *How 3,000,000 Hens Worked It Out* is the title of a new leaflet which explains how to get $12 more profit each year from each 100 birds. Explains how to shorten the molt. Address: *Nopco, 2551 Essex St., Harrison, N. J.*

● *How to Earn More Than $100 a Week Selling Trees* is explained in a new plan for poultry raisers *who wish to cash in on their spare time.* Interesting and profitable plan. Address: *Stark Nurseries, Box S. W. 3290, Louisiana, Mo.*

● *Kill Every Rat—Stop Feed Losses* is discussed in a booklet which explains how to rid the premises of rats cheaply and thoroughly by using an inexpensive gas. A proven method. Address: *American Cyanamid & Chemical Corp., Dept. 14, 30 Rockefeller Plaza, New York City.*

● *A New Type Sprayer Using High Pressure, Clog-proof Nozzle and Ideally Suited to the Poultry Farm* is described in a new free booklet. Contains unusual sprayer information. Address: *The Campbell-Hausfeld Co., 954 State Av., Harrison, O.*

● *Poultry Sanitation* is the title of a leaflet which tells what to use for spraying and disinfecting poultry houses and how to mix the solution. Booklet No. 163. Address : *Animal Industry Dept., Parke Davis & Co., Desk K-48-I, Detroit, Mich.*

● *Running Water* is the title of a new booklet which explains how you can have running water *cheaply no matter whether the source is a cistern,* shallow well, deep well, river, pond, lake or spring. Address: *Fairbanks, Morse & Co., Dept. 9631, 900 S. Wabash Ave., Chicago, Ill.*

● *Stoves at Factory Prices* are described in a new catalog which shows over 200 styles and sizes of stoves, ranges and furnaces. Very reliable company. Catalog is extremely interesting. Address: *Kalamazoo Stove Co., 15 Rochester Ave., Kalamazoo, Mich.*

● *Feeding Poultry for Profit* is a new feeding booklet which is of extreme interest to poultry raisers. Contains valuable information on cost of producing eggs, egg quality, best rations, etc. Address: *The Larrowe Milling Co., Dept. A, Detroit, Mich.*

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Continued from page 15

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MORE ADS ON PAGE 14

IN BUYING FARM TRUCKS
money talks
. . . that's why the largest selling farm truck is the one with

LOW PURCHASE PRICE

LOW OPERATING COST

LOW UPKEEP COST

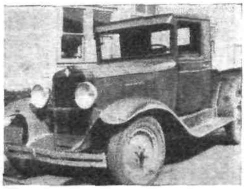
The big, sturdy Chevrolet is every inch and every pound a truck, from the rugged rear axle to the special truck-type engine. It doesn't take time out for servicing when you need it most. It easily hauls capacity loads at high speed and will keep on doing it for years. And, in addition, it is famous wherever trucks are used for its very low operating and upkeep costs. You can check these statements with anyone who owns a Chevrolet truck. And the more owners you talk to, the more convinced you will be that the truck for you is this low-priced valve-in-head six.

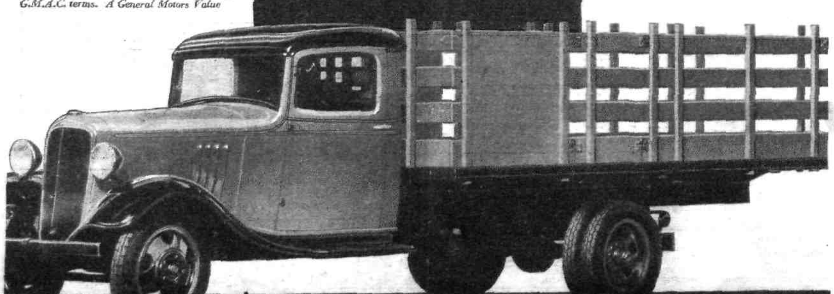
CHEVROLET MOTOR COMPANY
DETROIT, MICHIGAN
Compare Chevrolet's low delivered prices and easy G.M.A.C. terms. A General Motors Value

THE SIX-CYLINDER VALVE-IN-HEAD

CHEVROLET

CHEVROLET



145,000 ECONOMICAL MILES

Giammona Bros. of Pittsburg, Cal., just bought a new Chevrolet pick-up, and here's why: "Our last Chevrolet traveled 145,000 miles. Three valve grindings were all the mechanical work it was necessary to do."